CookBook : Your Virtual Kitchen Assistant

Introduction

Project Title: Cook book
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Project Overview

Purpose: To create an intuitive digital ewcipe book app that allows users to browse, view, and manage recipes efficiently.
Features:
- Browse various recipes by category.
- Detailed recipe view with ingredients and steps.
- Image gallery for each recipes.
- Search functionality.

Architecture

Component Structure: Header, recipe list, recipe card, recipe details, search bar,   State Management: React's Context API for global state and bookmarks.
Routing: react router for navigation between recipe list and recipe details.
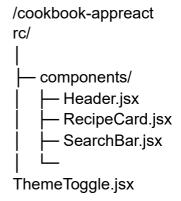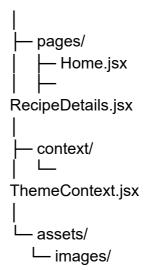
Setup Instructions

Prerequisites: Node.js, npm
Installation:
1. Clone the repository
2. Navigate to the project folder
3. Install dependencies with npm install
4. Start the development server with npm start
5. Open http://localhost:3000 in a browser

Folder Structure

```
/cookbook-appreact
rc/
|
├── components/
|   ├── Header.jsx
|   ├── RecipeCard.jsx
|   ├── SearchBar.jsx
|   └
ThemeToggle.jsx
```

```
|
├── pages/
│   ├── Home.jsx
│   ├──
RecipeDetails.jsx
|
├── context/
│   └──
ThemeContext.jsx
|
└── assets/
    └── images/
```

Running the Application

Command: npm start

Component Documentation

Key Components: Navbar, recipecard, searchbar, themetoggle, recipe details. Reusable
Components: Buttons, Cards

State Management

Global State: Managed using React Context API Local
State: Managed using useState hooks

User Interface

Screenshots or GIFs of UI showcasing landing page, search, and recipe details

Styling

CSS Frameworks: Tailwind CSS, React Icons
Theming: Light/Dark mode toggle, Custom color schemes

Testing

Testing Strategy: Unit Testing with Jest, Integration

Code Coverage: Ensured with Jest coverage reports

Screenshots or Demo

DemoLink:https://drive.google.com/file/d/1OvmY4EVniolE4yQD1e2Hwcww56n3Ki6X/vie
w?usp=sharing:

Known Issues

-Missing pagination in recipe list view

 -No authentication feature.

Future Enhancements

-User sign-in to save custom recipes.
-Share recipes via social media